

| Ref # | Hits    | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|---|------------------|---------|------------------|
| L1    | 4       | "20030012382" "20010034717"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/14 10:10 |
| L2    | 3       | ("6714983").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/03/14 10:43 |
| L3    | 4       | (L1 or L2) and (clock\$4 or time or timing)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/14 10:11 |
| S1    | 3991462 | (smart with card) or smartcard or token or ticket or IC or circuit                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/14 10:09 |
| S2    | 1290258 | modem or tranceiver or receiver or "dial-up" or (dial with up) or landline or telephone | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/13 09:41 |
| S3    | 4274822 | threshold\$3 or limit\$4 or maximum   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/13 09:41 |
| S4    | 587826  | register  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/13 09:41 |
| S5    | 6531597 | point or identity or address or URL or person or subject or name                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/13 09:41 |
| S6    | 299156  | access\$4 with control\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/13 09:42 |
| S7    | 16140   | S6 with S2  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/03/13 09:43 |

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S8  | 14  | (revocation with list\$4) and S7                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 09:44 |
| S9  | 5   | S8 and S1 and S3 and S4 and S5                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 09:51 |
| S10 | 2   | ("6456701").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/13 09:52 |
| S11 | 1   | "6226289".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:52 |
| S12 | 19  | ("6226289").URPN.  | USPAT   | OR | ON  | 2005/03/13 09:53 |
| S13 | 1   | "6343120".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:53 |
| S14 | 6   | ("6343120").URPN.  | USPAT   | OR | ON  | 2005/03/13 09:53 |
| S15 | 1   | "6182076".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:53 |
| S16 | 1   | "5901284".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:54 |
| S17 | 14  | ("5901284").URPN.  | USPAT   | OR | ON  | 2005/03/13 09:54 |
| S18 | 1   | "5680446".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:54 |
| S19 | 23  | ("5680446").URPN.  | USPAT   | OR | ON  | 2005/03/13 09:54 |
| S20 | 1   | "5732137".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:55 |
| S21 | 24  | ("5732137").URPN.  | USPAT   | OR | ON  | 2005/03/13 09:55 |
| S22 | 1   | "5590184".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:55 |
| S23 | 1   | "5276444".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:55 |
| S24 | 1   | "5181238".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/03/13 09:56 |
| S25 | 126 | ("5181238").URPN.  | USPAT   | OR | ON  | 2005/03/13 09:57 |
| S26 | 216 | S10 S11 S12 S13 S14 S15 S16 S17<br>S18 S19 S20 S21 S22 S23 S24 S25 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 09:58 |

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S27 | 0   | S26 and S1 and S2 and S3 and S4 and S5 and S6 and revocation      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 09:59 |
| S28 | 253 | S1 and S2 and S3 and S4 and S5 and S6 and revocation              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 10:00 |
| S29 | 133 | S28 and ((smart with card) or smartcard)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 10:01 |
| S30 | 60  | S29 and access\$4.ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 10:01 |
| S31 | 36  | S30 and @ad<"20020116"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 14:11 |
| S32 | 84  | ("5120939").URPN.   | USPAT   | OR | ON | 2005/03/13 10:13 |
| S33 | 0   | ("6594361").URPN.   | USPAT   | OR | ON | 2005/03/13 10:16 |
| S34 | 1   | ("6498847").URPN.   | USPAT   | OR | ON | 2005/03/13 10:17 |
| S35 | 1   | ("5878137").URPN.   | USPAT   | OR | ON | 2005/03/13 10:22 |
| S36 | 19  | ("5852290").URPN.   | USPAT   | OR | ON | 2005/03/13 10:28 |
| S37 | 38  | (smartcard.ab. or "card.ab") and access\$4.ab. and control\$4.ab. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 10:31 |
| S38 | 0   | S37 and revocation  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 10:29 |
| S39 | 5   | S37 and modem   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 10:29 |
| S40 | 5   | (smartcard.ab. or "card.ab") and revocation                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 10:32 |

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S41 | 744  | list\$4 with (unauthoriz\$4 or invalid\$4 or corrupt\$4 or cracker or hacker) with (user or site or page or address or identity) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 10:35 |
| S42 | 1    | S41 and S26  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 12:23 |
| S43 | 2    | ("4798322").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/13 12:23 |
| S44 | 40   | ("4798322").URPN.  | USPAT   | OR | ON  | 2005/03/13 12:28 |
| S45 | 2    | ("5120939").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/13 12:28 |
| S46 | 84   | ("5120939").URPN.  | USPAT   | OR | ON  | 2005/03/13 12:29 |
| S47 | 32   | (S44 or S46) and (tim\$4 and clock\$3 and S3) and (smartcard or (smart with card))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 14:10 |
| S48 | 14   | S47 and (time with period)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 14:10 |
| S49 | 3140 | (access\$4 with network\$4 with device) and (circuit.ab. or IC.ab. or card.ab. or smartcard.ab.)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 14:10 |
| S50 | 1295 | (access\$4 with network\$4 with device) and (card.ab. or smartcard.ab.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 15:21 |
| S51 | 387  | S50 and (time with period)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/13 14:10 |

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S52 | 136    | S51 and (tim\$4 and clock\$3 and S3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 14:11 |
| S53 | 105    | S52 and @ad<"20020116"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 15:21 |
| S54 | 61     | S53 and (secur\$4 with access\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 14:12 |
| S55 | 34     | S54 and authentication   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 15:18 |
| S56 | 321    | (network\$4 with device with access\$4) and (smartcard or (smart near2 card)) and clock and register | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/14 09:12 |
| S57 | 110    | S56 and (signal and clock and shift\$3 and data and computer\$4)                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 15:20 |
| S58 | 73     | S57 and @ad<"20020116"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:17 |
| S59 | 8      | S58 and (card.ab. or smartcard.ab.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 15:25 |
| S60 | 126064 | shift\$3 with register\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 15:25 |
| S61 | 7      | S56 and S60  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 15:54 |

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S62 | 761    | (data with transfer\$3 with rate) and (card.ab. or smartcard.ab.) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:20 |
| S63 | 126064 | shift\$3 with register\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:17 |
| S64 | 72     | S62 and S63   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:25 |
| S65 | 61     | S64 and @ad<"20020116"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:21 |
| S66 | 1      | S65 and (network\$4 with device with access\$4)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:26 |
| S67 | 16     | S65 and (network\$4 with device)                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:19 |
| S68 | 5      | S67 and (smartcard or (smart near2 card))                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:21 |
| S69 | 31430  | (data with transfer\$3 with rate)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:25 |
| S70 | 4353   | S69 and S63   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:21 |
| S71 | 149    | S70 and (network\$4 with device with access\$4)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:21 |

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S72 | 111  | S71 and @ad<"20020116"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:28 |
| S73 | 1    | S72 and (smartcard or (smart near2 card))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:24 |
| S74 | 191  | Mahany.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:24 |
| S75 | 3    | Mahany.in. and (smartcard or (smart near2 card))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:24 |
| S76 | 1167 | (transfer\$3 with rate) and (card.ab. or smartcard.ab.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:25 |
| S77 | 107  | S76 and S63  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:25 |
| S78 | 5    | S77 and (network\$4 with device with access\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:26 |
| S79 | 165  | (network\$4 with access\$4) and ((data with rate) or (transfer\$4 with rate) or (flow\$4 with rate)) and (smartcard.ab. or card.ab.) and (smartcard or (smart near2 card)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:28 |
| S80 | 110  | S79 and @ad<"20020116"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 16:28 |
| S81 | 93   | S79 and (clock\$4 or time or timing)and (access\$4 with control\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/13 17:03 |

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S82 | 2       | ("6304973").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/14 07:24 |
| S83 | 2       | ("6577229").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/14 08:03 |
| S84 | 2       | "20040031856"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/14 08:03 |
| S85 | 6       | "6607136"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/14 08:18 |
| S86 | 4       | S85 and (access\$4 or deny\$4 or prevent\$4)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/14 08:18 |
| S87 | 4       | S85 and (access\$4 or deny\$4 or prevent\$4 or authenticat\$4)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/14 08:29 |
| S88 | 2       | "20030012382"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/14 08:57 |
| S89 | 2       | ("6304973").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/14 08:57 |
| S90 | 43334   | (clock\$3 or time or timing) same (control\$4 with data with transfer\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/14 09:11 |
| S91 | 3991462 | (smart with card) or smartcard or token or ticket or IC or circuit        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/14 09:12 |



|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S92 | 30909 | S91 and S90  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/14 09:12 |
| S93 | 26015 | (smart with card) or smartcard   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/14 09:12 |
| S94 | 509   | S93 and S90  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/14 09:12 |
| S95 | 321   | (network\$4 with device with<br>access\$4) and (smartcard or (smart<br>near2 card)) and clock and register | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/14 09:12 |
| S96 | 33    | S94 and S95  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/03/14 09:12 |